

Abstract

A nut-plate riveter which includes multiple pistons which assist in creating a pulling force. The nut-plate riveter provides that spent mandrels are pulled through the tool, thereby avoiding problems in the field. The nut-plate riveter includes a handle and a plurality of pistons disposed in the handle. Cavities are proximate the pistons for pressurizing the pistons, and air supply passages are in communication with the cavities for supplying air to the cavities to pressurize the pistons. A piston rod is engaged with at least one of the pistons, and the piston rod has a longitudinal bore therethrough which is configured to receive a spent mandrel. A deflector fitting may be disposed at an end of the nut-plate riveter.